**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)

17. (Currently Amended) A user interface ~~for providing a computer based examination to a user on a client computer,~~ incorporated within a client computer module and displayed on a display of said client computer module for administering an examination by computer to an examinee with a server computer module providing ~~an~~ examination ~~content~~ questions to ~~the~~ said client computer module over a data transmission route ~~through a network~~, ~~the~~ said user interface comprising:

a first circuit for displaying said examination questions on a first area of said display;

a second circuit for ~~listing~~ displaying a list of ~~a number of a~~ examination question numbers corresponding to said examination questions on a ~~first frame~~ second area of a said display ~~based on an examination content, the examination content including the question being provided from a server a network~~;

~~a circuit for displaying the question on a second frame of the display based on the~~

~~examination content;~~

a third circuit for providing ~~a user~~ an examinee-activatable first button for activating a calculator on ~~the first frame~~ said second display area~~, the first button enabling the calculator to be activated~~; and

a fourth circuit for providing ~~a user~~ an examinee-activatable second button for ~~a clock on the first frame to change a clock content~~ changing content of a clock displayed on said second display area, ~~the~~ said second button enabling ~~the~~ said clock to be adapted to ~~either~~ display real time, examination time elapsed, examination time remaining, or a combination thereof.

18. (Cancelled)
19. (Cancelled)
20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Cancelled)
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34. (Cancelled)
35. (Cancelled)
36. (Cancelled)
37. (Cancelled)
38. (Cancelled)
39. (Cancelled)

40. (Currently Amended) A method of providing a user interface ~~to a user for taking a computer based examination~~ incorporated within a client computer module and displayed on a display of the client computer module to administer an examination by computer to an examinee with a server computer module providing ~~an~~ examination ~~content~~ questions to said client computer over a data transmission route, ~~the~~ said method comprising the steps of:

displaying said examination questions on a first area of said display;

~~listing~~ displaying a list of ~~a number of a~~ examination question numbers corresponding to said examination questions on a ~~first frame~~ second area of ~~a~~ said display ~~based on an examination content, the examination content including the question being provided from a server through a network~~;

~~displaying the question on a second frame of the display based on the examination content~~;

providing ~~a user~~ an examinee-activatable first button ~~for~~ to activate a calculator on ~~the first frame~~ said second display area~~, the first button enabling the calculator to be activated~~; and

providing ~~a user~~ an examinee-activatable second button ~~for a clock on the first frame to change a clock content~~ to change content of a clock displayed on said second display area, ~~the~~ said second button enabling ~~the~~ said clock to be adapted to ~~either~~ display real time, examination time elapsed, ~~or~~ examination time remaining or a combination thereof.

41.(Currently Amended) ~~A user interface for providing a computer based examination to a user on a client computer, a server providing an examination content to the client computer through a network, the~~ The user interface of claim 17 further comprising:

~~a circuit for listing a question identification on a first frame of a display based on an examination content provided by a server through a network;~~

~~a circuit for displaying a question on a second frame of the display in response to selection of the question identification by a user, the question corresponding to the selected question identification~~;

a fifth circuit for ~~displaying~~ activating a flag associated with said examination question ~~on the question identification in response to selection of the question identification for the flag by the user~~;

a sixth circuit for identifying ~~an action of the user who enters an answer to the question~~ an examinee response to said examination question; and

a seventh circuit for changing ~~a color~~ display format of said examination question number in the displayed list ~~on the question identification~~ in response to said examinee response to corresponding examination question ~~when the user answers the question~~.

42. (Currently Amended) ~~A method of providing a user interface to a user for taking a computer based examination a server providing an examination content, the~~ The method of claim 40, further comprising the steps of:

~~listing a question identification on a first frame of a display based on an examination content provided by a server through a network;~~

~~displaying a question on a second frame of the display in response to selection of the question identification by a user, the question corresponding to the selected question identification;~~

~~displaying~~ activating a flag associated with said examination question ~~on the question identification in response to selection of the question identification for the flag by the user~~;

identifying ~~an action of the user who enters an answer to the question~~ an examinee response to said examination question; and

changing ~~a color~~ display format of said examination question number in the displayed list ~~on the question identification~~ in response to said examinee response to corresponding examination question ~~when the user answers the question~~.

43. (New) A method of securely administering an examination by computer, comprising the steps of:

(i) preparing examination content, including:

a. formulating examination content within individual questions;

b. creating a plurality of testlets, each of said testlets comprising a grouping of one or more of said questions; and

c. storing said testlets within a database;

(ii) logging an examinee into a client computer module, including:

a. prompting entry by said examinee of provided registration information through a user interface incorporated within said client computer module;

b. capturing said entered registration information on said client computer module;

c. transmitting said captured registration information to a server computer module over a secure data transmission route;

d. verifying said transmitted registration information; and

e. logging said examinee into said examination upon said verification;

(iii) displaying examination content to said logged in examinee, including:

a. retrieving from said database by said server computer module, individual testlets appropriate for said examinee in accordance with at least one criterion associated with said examinee;

b. transmitting said retrieved testlets to said client computer module over a secure data transmission route; and

c. displaying said transmitted testlets to said examinee on said user interface;

(iv) capturing and recording responses from said logged in examinee to said displayed examination content, including:

a. capturing responses to said displayed testlets from said examinee entered through said user interface;

b. transmitting said captured responses over a secure data transmission route to said server computer module; and

c. recording said transmitted responses on said server computer module;

(v) limiting interaction with said client computer module by said logged in examinee to sanctioned examination interactions only, including:

a. locking display of said user interface on a display screen displaying said user interface, above all other elements of said client computer module, and to an entirety of said display screen;

b. preventing access by said examinee to elements of said client computer module underlying said user interface;

c. filtering out non-sanctioned commands inputted from input devices of

said client computer module; and

d. controlling navigation by said examinee linearly within said user interface to control progress through said examination; and

(vi) iterating steps (iii) through (v) until completion of said examination.

44. (New) The method according to claim 43, wherein said step (v) further includes the step of verifying examination position information to ensure said examinee is actually where they are authorized to be within said examination.

45. (New) The method according to claim 43, wherein said step (iv) further includes the steps of:

submitting responses to a predetermined set of said testlets by said examinee upon completion of said responses, and

preventing said examinee from changing said submitted changes.

46. (New) The method according to claim 43, further comprising the step of including a Public Key Infrastructure (PKI) with at least one of said secure data transmission routes.

47. (New) The method according to claim 43, further comprising the step of establishing a Virtual Private Network (VPN) in at least one of said secure data transmission routes.

48. (New) The method according to claim 43, wherein said registration information includes a Personal Identification Number (PIN) assigned to said examinee, and associated with a time and a place of said examination.

49. (New) The method according to claim 48, wherein said verification step includes the step of verifying whether said examinee logs into said examination at said place and on said time.

50. (New) The method according to claim 43, wherein step (ii) further includes the steps of:

entering a verifier information by a proctor, and

transmitting said entered verifier information to said server computer module over a secure data transmission route,

whereby said step of verifying said transmitted registration information is aided by said transmitted verifier information.

51. (New) The method according to claim 50, wherein step (ii) further includes the step of displaying a digital likeness of said examinee on said client computer module for verification by said proctor prior to said step of entering said verifier information.

52. (New) The method according to claim 50, wherein said step (ii) further includes the step of entering a provided start code by said examinee subsequent to logging into said examination.

53. (New) The method according to claim 52, wherein a first testlet is provided to said examinee when said start code is entered.

54. (New) The method according to claim 43, further comprising the step of automatically marking said examinee responses.

55. (New) The method according to claim 54, further comprising the step of adaptively retrieving said testlets in accordance with said automatically marked responses.

56. (New) The method according to claim 43, further comprising the step of providing free movement to said examinee between individual questions within a single section, said section comprising one or more testlets selected in accordance with said at least one criterion.

57. (New) The method according to claim 56, wherein said step of providing free movement includes the step of allowing said examinee to change responses to said questions within only a single section prior to submitting said responses to said section.

58. (New) The method according to claim 43, wherein said testlets comprising a predetermined number of said questions that are from the same medical discipline and about

the same level of difficulty.

59. (New) The method according to claim 58, wherein said step (i) further comprises the step of:

creating separate routing testlets and adaptive testlets;

wherein said step (iii) further comprises the steps of:

displaying said routing testlets first, to estimate examinee ability; and subsequently adaptively displaying said adaptive testlets to said examinee based upon results from said examinee's said routing testlet responses.

60. (New) The method according to claim 43, further comprising the step of providing language transition from one language to another at any point within said examination.

61. (New) The method according to claim 43, further comprising the step of enabling changes to display of visual elements within said user interface by said examinee, including text and background appearance to minimize examinee fatigue.

62. (New) The method according to claim 43, further comprising the step of providing a clock, on said display, adapted to display real time, examination time lapsed, and/or examination time remaining.

63. (New) The method according to claim 44, wherein said step of verifying examination position information includes the step of recording said examination, including:

at said client computer module,

recording at regular intervals on cookies, current state information pertaining to said examination of ; and

initiating a record request to said server computer module,

at said server computer module,

storing content of said cookies in a file allocated to said examinee in response to said request.

64. (New) The method of claim 63, further including the step of initiating a request from

said server computer module to said client computer module to prevent currently displayed content on said client computer module display from changing, after said server computer module has received said record request.

65. (New) The method of claim 43, wherein step (v) further includes the step of providing a digital certificate to said client computer module to ensure a software in said client computer module to transact a process allowed by said server computer module.

66. (New) A system for securely administering an examination by computer, comprising:

a database for storing a plurality of testlets including formulated examination content within one or more examination questions;

a server computer module communicated with said database by a secure data transmission route for retrieving from said database said testlets;

a client computer module connected to said server computer module by a secure data transmission route,

said client computer module including:

a display screen connected to said client computer module;

a user interface incorporated within said client computer module and displayed on said display screen; and

an interaction limiter module,

said user interface being adapted for:

prompting and capturing entry of registration information by said examinee; and

displaying testlets and capturing examinee responses to said displayed testlets,

said interaction limiter module being adapted for:

locking display of said user interface on a display screen displaying said user interface, above all other elements of said client computer module, and to an entirety of said display screen;

preventing access by said examinee to elements of said client computer module underlying said user interface;

filtering out non-sanctioned commands inputted from input devices of said

client computer module; and

controlling navigation by said examinee linearly within said user interface to control progress through said examination.